WHAT IS CLAIMED:

1. A card shuffler having a card holding area and a card collecting area,

the card shuffler moving cards between the card holding area and the card collecting area to form a shuffled set of cards in the card collecting area,

a sensor between the card holding area and the card collecting area,

the sensor reading suit and rank of each card between the card holding area and the card collecting area.

2. The card shuffler of claim 1 wherein cards are shuffled by insertion of cards into a carousel having multiple storage spaces.

3. The card shuffler of claim 2 wherein each card is read before being inserted into one of the storage spaces.

4. The card shuffler of claim 1 wherein each read card is moved into a storage space after reading.

5. The card shuffler of claim 2 wherein cards inserted into the carousel are discharged into the card collecting area to form a pack of shuffled cards.

6. The card shuffler of claim 3 wherein cards inserted into the carousel are discharged into the card collecting area to form a pack of shuffled cards.

7. The card shuffler of claim 4 wherein cards inserted into the carousel are discharged into the card collecting area to form a pack of shuffled cards.

8. The card shuffler of claim 1 wherein the card holding area comprises a vertical stack of cards.

9. The card shuffler of claim 5 wherein the card holding area comprises a vertical stack of cards.

10. The card shuffler of claim 6 wherein the card holding area comprises a vertical stack of cards.

11. The card shuffler of claim 7 wherein the card holding area comprises a vertical stack of cards.

12. The card shuffler of claim 8 wherein the card holding area comprises a vertical stack of cards.

13. The card shuffler of claim 2 wherein a microprocessor using a random number generator allocates a read card to one of the storage spaces.

14. The card shuffler of claim 5 wherein a microprocessor using a random number generator allocates a read card to one of the storage spaces.

15. The card shuffler of claim 6 wherein a microprocessor using a random number generator allocates a read card to one of the storage spaces.

16. The card shuffler of claim 7 wherein a microprocessor using a random number generator allocates a read card to one of the storage spaces.

17. The card shuffler of claim 8 wherein a microprocessor using a random number generator allocates a read card to one of the storage spaces.

18. The card shuffler of claim 12 wherein a microprocessor using a random number generator allocates a read card to one of the storage spaces.

19. The card shuffler of claim 1 having a microprocessor connected thereto which records identity of cards by suit and value.

20. The card shuffler of claim 1 wherein a display is present which can display the suit and rank of a card.

21. The card shuffler of claim 20 wherein the suit and rank of a card displayed is the suit and rank of a missing or oversupplied card.

22. A method of shuffling cards comprising receiving cards in a card holding area, shuffling the cards by moving randomized cards into a card collecting area, and reading the suit and value of each card before it is moved into the card collecting area.

23. The method of claim 22 wherein shuffling the cards is performed by moving individual cards into one of a number of multiple storage spaces and discharging the cards from the storage spaces into the card collection area.

24. The method of claim 22 wherein the card collecting area comprises at least a portion of a card randomizing area.

25. An automatic card shuffler, comprising:

a card holding area;

a card randomization area;

a card transfer mechanism that moves cards from the card holding area to the card randomization area;

a card reading mechanism located between the card holding area and the card randomization area that is capable of reading rank and suit; and

a display device capable of displaying rank and suit of cards.

26. The device of claim 25, where the device capable of displaying rank and suit is selected from the group of an LCD and an LED display.

27. The device of claim 25 wherein the display device is capable of displaying rank and suit read by the card reading mechanism.

28. An automatic card shuffler, comprising:

a card infeed area;

a card shuffling mechanism;

a shuffled card discharge area;

a microprocessor programmed to control operation of the card shuffler;

a first card feeder that transfers cards from the card in-feed area to the card shuffling apparatus;

a second card feeder that transfers cards from the card shuffling mechanism to the shuffled card discharge area;

a sensor capable of reading rank and suit located within the card shuffler; and

a display unit that displays rank and suit of cards.

29. The apparatus of claim 28 wherein the sensor is positioned between the card in-feed area and the card shuffling mechanism.

30. The device of claim 28 wherein the display device is capable of displaying rank and suit read by the card reading mechanism.

31. The device of claim 28 wherein the display device is capable of displaying rank and suit read by the card reading mechanism.

32. A card shuffler having a card holding area and a card collecting area,

the card shuffler directly moving cards between the card holding area and the card collecting area to form a shuffled set of cards in the card collecting area,

a sensor between the card holding area and the card collecting area,

the sensor reading suit and rank of each card between the card holding area and the card collecting area.

33. A card shuffler having a single card holding area and a card collecting area,

the card shuffler moving cards between the card holding area and the card collecting area to form a shuffled set of cards in the card collecting area,

a sensor between the card holding area and the card collecting area,

the sensor reading suit and rank of each card between the card holding area and the card collecting area.